

Specifications and Use	
Description	I Recombinant human GM-CSF produced in E.coli is a single, non-glycosylated, polypeptide chain containing 127 amino acids, two pairs of disulfide bonds and having a molecular mass of approximately 14.5kD.
Source	I E. coli
Molecular Mass	I Approximately 14.5kD.
Purity	I ≥97%, as determined by SDS-PAGE and HPLC method.
Endotoxin Level	I ≤1EU/μg, determined by the LAL method.
Biological Activity	I Measured in a cell proliferation assay using the factor-dependent cell line, TF-1, the specific activity shall be not less than 1×10^7 IU/mg.
Formulation	I Lyophilized from a 0.2mm filtered solution in 10mM Phosphate Buffer.
Reconstitution	I It is recommended that sterile ddH ₂ O containing at least 0.1% human serum albumin or bovine serum albumin be added to the vial to prepare a stock solution of not less than 1 mg/mL of the cytokine.

Storage	<ul style="list-style-type: none">I Lyophilized samples are stable for greater than six months from date of receipt at -20°C to -70°C.I Upon reconstitution, this cytokine can be stored under sterile conditions at 2- 8°C for one month or at -20°C to -70°C in a manual defrost freezer for three months without detectable loss of activity.I Avoid repeated freeze-thaw cycles.
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